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(54) RUBBER COMPOSITION FOR BONDING STEEL CORD

(57)Abstract:

PURPOSE: The titled rubber composition with good adhesion to metals, particularly zinc, and excellent moist heat resistance capable of sustaining prolonged high adhesion, which is obtd. by compounding a rubber contg. an organic acid cobalt salt with a calcium compd. in a specified wt. ratio.

CONSTITUTION: 100pts.wt. rubber (A) such as natural, polyisoprene or polybutadiene rubber compounded with an org. acid cobalt salt such as cobalt naphthenate or oleate is compounded with 0.5W10pts.wt. at least one calcium compd. selected from calcium oxide, hydroxide, plumbate, etc., to prepare the purpose rubber composition for bonding steel cord. 1W10pts.wt. tannic acid which may be partially replaced by magnesium oxide may be compounded in place of the component B. The obtd. composition is used for the preparation of a tire, steel conveyer belt, etc.

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